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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Johannes J. Geuze *et al.*

Serial No.: 09/011,167

Filed: October 5, 1998

Title: **CELL DERIVED ANTIGEN
PRESENTING VESICLES**

) Examiner: Amy M. DeCloux, Ph.D.

) Art Unit: 1644

) **"CLEAN COPY" OF CLAIMS**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

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The following is the text of the pending claims including the amendments shown on the attached "Marked Up" Version of the Claims.

IN THE CLAIMS:

13. (Amended) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC class I protein and wherein said antigen presenting vesicle is obtainable from a B lymphocyte.

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231:

August 7 2002
(Date)

Karen Patken
(Signature)

Karen Patken
(Printed Name)

14. (New) The antigen presenting vesicle according to Claim 13, wherein said vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B lymphocytes containing said MHC Class I protein.

15. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, and wherein said antigen presenting vesicle is derived from culture media of B-lymphocytes containing said MHC Class I protein.

16. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

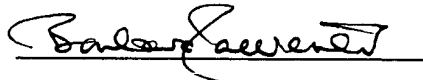
a membrane, a major histocompatibility complex (MHC) Class I protein and one or more at least partially processed antigens bound to said MHC Class I protein, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I protein.

17. (New) An antigen presenting vesicle free from its natural surroundings, said vesicle comprising:

a membrane, a major histocompatibility complex (MHC) Class I and Class II proteins and one or more at least partially processed antigens bound to said MHC proteins, wherein said antigen presenting vesicle is obtained by the step of recovering a 70,000 x g pellet obtained by differential centrifugation of membrane-containing fractions of cell culture media or lysates of B-lymphocytes containing said MHC Class I and Class II proteins.

Respectfully submitted,

Date: August 7, 2002

A handwritten signature in cursive script, appearing to read "Barbara Rae-Venter", written over a horizontal line.

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